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WHAT IS CLAIMED IS:

1. A method of providing a packet call service via an Internet Protocol (IP) based network in a wireless mobile communication system, comprising the steps of:

constructing a set of service primitive information including radio channel assignment information in accordance with at least one service class for the packet call service;

determining a service primitive combination according to a service class of a packet call based on the constructed service primitive information, if a packet call for at least one mobile terminal is generated;

assigning to the at least one mobile terminal a radio channel corresponding to the determined service primitive combination; and

providing the at least one mobile terminal with the packet call service by using the assigned radio channel.

- 2. The method of claim 1, wherein the service primitive combination is determined on the basis of service class information of the packet call received from the IP network.
- 3. The method of claim 2, wherein the service class information of the packet call is input by a user of the at least one mobile terminal.

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- 4. The method of claim 1, wherein the service primitive information includes radio channel assignment information for an interactive call.
 - 5. The method of claim 4, wherein the service primitive information, comprises: at least one forward primitive, selected from the following:

a first forward primitive including channel assignment information for a given channel 'F-CCCH' or 'F-BCCH, having features of multicast and unicast and high-speed transmission, but with its access and quality factors not guaranteed, and further not providing for soft handoff or power control therefor;

a second forward primitive including channel assignment information for a given channel 'F-FCH', having features of multicast and unicast and high-speed transmission, with its access and quality factors guaranteed, and further not providing for soft handoff or power control therefor; and

a third forward primitive including channel assignment information for a given channel 'F-FCH', having features of unicast and a high-speed transmission, but with its access and quality factors guaranteed, and further providing for soft handoff and power control therefor; and

at least one reverse primitive, selected from the following:

a first reverse primitive including channel assignment information for a given channel 'R-FCH', having a feature of unicast, but without high-speed transmission being supported, and without access and quality factors guaranteed, and further providing for soft handoff and power control therefor; and

a second reverse primitive including channel assignment information for a

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given channel 'R-CCCH', having features of unicast and a high-speed transmission supported, and with the access and quality factors guaranteed, and further providing for soft handoff and power control therefor.

- 6. The method of claim 5, wherein when a group call service is provided to a plurality of mobile terminals by using the channel 'F-FCH' according to the second forward primitive, the a number of mobile terminals simultaneously capable of carrying out a handoff is limited.
- 7. The method of claim 5, wherein when a group call service is provided to a plurality of mobile terminals by using the channel 'F-FCH' according to the second forward primitive, no power control is substantially performed.
- 8. The method of claim 5, wherein when a group call service is provided to a plurality of mobile terminals by using the channel 'F-FCH' according to the second forward primitive, an identical Walsh code corresponding to the channel 'F-FCH' is assigned to the plurality of mobile terminals.
- 9. The method of claim 5, wherein when one of a group call and a private call

 service is provided to at least one mobile terminal by using the channel 'F-CCCH' or 'F
 BCCH' according to the first forward primitive, a plurality of cells preassigned to said at

 least one mobile terminal are grouped together in an area in which a limited handoff is

 provided.

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10. The method of claim 5, wherein when one of a group call and a private call service is provided to at least one mobile terminal by using the channel 'R-CCCH' according to the second reverse primitive, power control is provided using a Common Power Control Channel (CPCCH).

11. A method of providing a packet call service via an Internet Protocol (IP) based network in a wireless mobile communication system, comprising the steps of:

upon request of a packet call to the IP network, transmitting from the IP network service class information for the packet call to a base station in the wireless mobile communication system;

analyzing the service class information in the base station, and if the packet call is an interactive group call serving a semi half-duplex communication, determining a service primitive combination corresponding to the group call based on predefined service primitive information;

assigning to a plurality of group call mobile terminals one of a forward channel 'F-CCCH' and 'F-BCCH', and a reverse channel 'R-CCCH' according to the determined service primitive combination; and

providing said plurality of group call mobile terminals with an interactive group

call service by using the assigned radio channels.

12. A method of providing a packet call service via an Internet Protocol (IP) based network in a wireless mobile communication system, comprising the steps of:

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upon request of a packet call to the IP network, transmitting from the IP network service class information for the packet call to a base station in the wireless mobile communication system;

analyzing the service class information in the base station, and if the packet call is an interactive group call serving a full-duplex communication, determining a service primitive combination corresponding to the group call based on predefined service primitive information constructed in advance;

assigning to a plurality of group call mobile terminals a given forward channel 'F-FCH', and one of a reverse channel 'R-CCCH' and 'R-FCH' according to the determined service primitive combination; and

providing said plurality of group call mobile terminals with an interactive group call service by using the assigned radio channels.

- 13. The method of claim 12, wherein when providing the interactive group call service, the a number of mobile terminals simultaneously capable of carrying out a handoff is limited.
- 14. The method of claim 12, wherein when providing the interactive group call service, no power control is substantially performed.
- 15. The method of claim 12, wherein when assigning the channel 'F-FCH', an identical Walsh code corresponding to the channel 'F-FCH' is assigned to the plurality of group call mobile terminals.

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- 16. The method of claim 12, wherein when providing the interactive group call service, power control is provided using a Common Power Control Channel (CPCCH).
- 17. A method of providing a packet call service via an Internet Protocol (IP) based network in a wireless mobile communication system, comprising the steps of:

upon request of a packet call to the IP network, transmitting from the IP network service class information for the packet call to a base station in the wireless mobile communication system;

analyzing the service class information in the base station, and if the packet call is an interactive private call serving a full-duplex communication, determining a service primitive combination corresponding to the private call based on predefined service primitive information;

assigning to a private call mobile terminal a given forward channel 'F-FCH' and a given reverse channel 'R-FCH' according to the determined service primitive combination; and

providing said private call mobile terminals with an interactive private call service by using the assigned radio channels.

18. A method of providing a packet call service via an Internet Protocol (IP)
based network in a wireless mobile communication system, comprising the steps of:
upon request of a packet call to the IP network, transmitting from the IP network

service class information for the packet call to a base station in the wireless mobile

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communication system;

analyzing the service class information in the base station, and if the packet call is an interactive private call serving a semi-half duplex communication, determining a service primitive combination corresponding to the private call based on predefined service primitive information;

assigning to a private call mobile terminal a given forward channel 'F-CCCH' and a given reverse channel 'R-CCCH' according to the determined service primitive combination; and

providing said private call mobile terminal with an interactive private call service by using the assigned radio channels